

A Bioactive Type I Collagen-Based Nerve Guide for PNS Regeneration

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Hypothesis

Tissues and organs have the intrinsic ability to regenerate provided that the biological environment is suitable for regeneration.

Goal

To design, engineer and evaluate *in vivo* a type I collagen-based bioactive nerve guide for peripheral nerve regeneration applications.

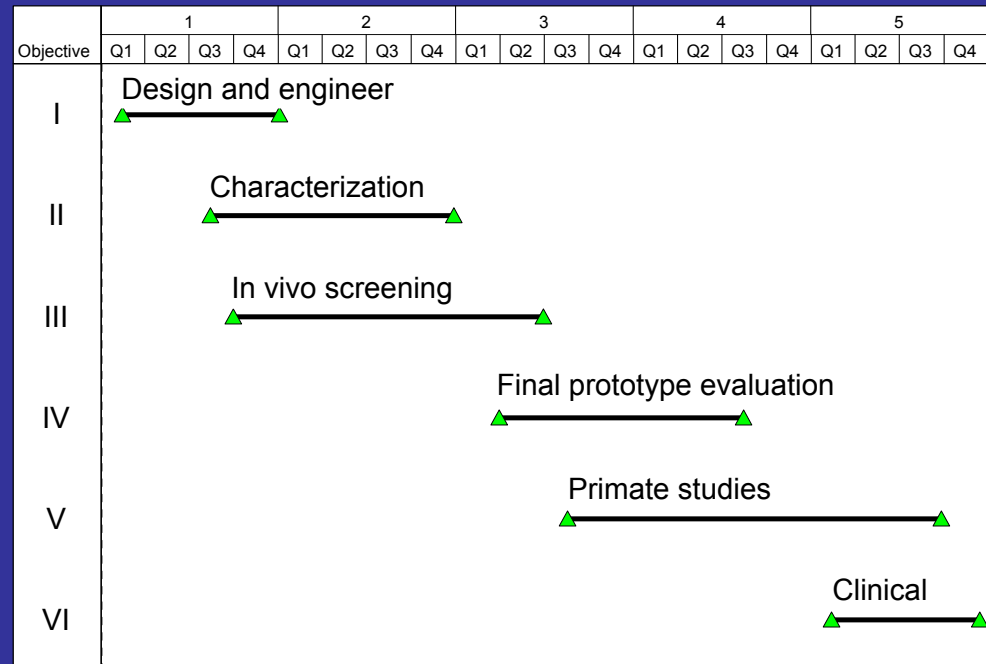
Partners

Collagen Matrix, Inc.
University of South Florida
Duke University

Eastern Virginia Medical School

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Specific Objectives



Primate Behavioral Models

- Median Nerve Model
 - Return of thumb and hand gripping function
- Cavernosal Nerve Model
 - Return of sexual (erectile) function

